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Troyen et al.

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(54) NEEDLE TIP CONNECTOR

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(**) Term: 15 Years

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(52) U.S. Cl. D24/130

(58) Field of Classification Search

USPC D24/112–113, 127–130, 133, 138, 140, D24/108; D8/334, 339, 343, 349

(Continued)

(56) References Cited

U.S. PATENT DOCUMENTS

D268,812 S 7/1983 Lancellotti

4,644,952 A 2/1987 Patipa et al.

(Continued)

FOREIGN PATENT DOCUMENTS

KR 3010981310003 3/2021

OTHER PUBLICATIONS

Sku Procell Pro, Procell Treatment, medpurchasing.com, [Post date: Feb. 3, 2023], [Site seen Jul. 25, 2023], Seen at URL: https://medpurchasing.com/product/procell-therapies-microchanneling-device/ (Year: 2023).*

(Continued)

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(57)

CLAIM

The ornamental design for a needle tip connector, as shown and described.

DESCRIPTION

This patent application is related to U.S. Design patent application Ser. No. 29/884,654, filed on Feb. 14, 2023, and titled “Micro-Needle Tip Assembly”; and U.S. Design patent application Ser. No. 29/884,655, filed on Feb. 14, 2023, and titled “Micro-Channeling Device”, both of which are incorporated herein by reference.

FIG. 1 is a perspective view of a needle tip connector shown in a position of use;

FIG. 2 is an enlarged view of the needle tip connector in FIG. 1;

FIG. 3 is an exploded view of the needle tip connector in FIG. 2 showing the ball and pushrod;

FIG. 4 is a sectional view of the needle tip connector in FIG. 2;

FIG. 5 is a perspective view of the pushrod of the needle tip connector in FIG. 1;

FIG. 6 is a front-side view of FIG. 5;

FIG. 7 is a back-side view of FIG. 5;

FIG. 8 is a right-side view of FIG. 5;

FIG. 9 is a left-side view of FIG. 5;

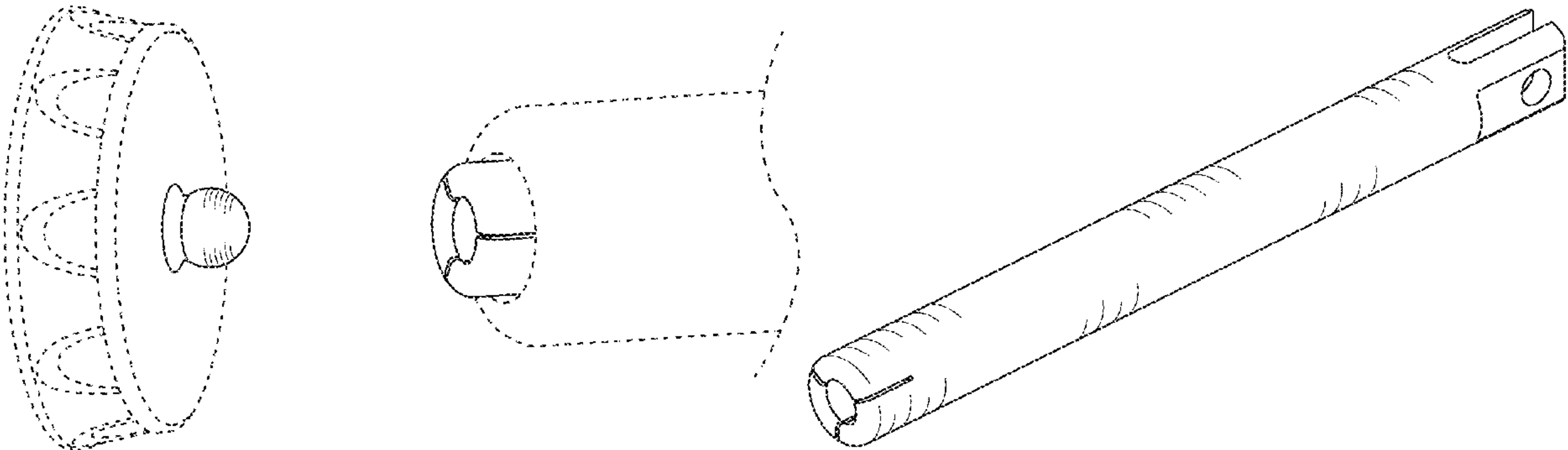
FIG. 10 is a top view of FIG. 5; and,

FIG. 11 is a bottom view of FIG. 5.

The broken lines in the drawings illustrate portions of the needle tip connector and its environment and form no part of the claimed design.

The thinner shading lines that appear on the ball head in FIG. 3 and the pushrod in FIGS. 5-11 illustrate 3-dimensional perspective and form no part of the claimed design.

1 Claim, 11 Drawing Sheets



(58) **Field of Classification Search**
CPC A61J 1/2096; A61M 5/3257; A61M 5/46;
A61M 5/31501; A61M 2205/273; A61M
5/3205; A61M 5/321
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS

4,798,582	A	1/1989	Sarath et al.	
5,190,523	A	3/1993	Lindmayer	
5,279,552	A	1/1994	Magnet	
D346,024	S	4/1994	Hood et al.	
D351,022	S	9/1994	Saito	
D358,082	S	5/1995	Trezza	
D398,216	S *	9/1998	Woodgate	D8/349
D425,388	S	5/2000	Lin	
D461,898	S	8/2002	Frye	
D496,724	S *	9/2004	Myers	D24/112
D497,509	S *	10/2004	Nelson	D7/300.2
D526,411	S	8/2006	Easley	
D553,738	S	10/2007	Simonson	
D623,369	S	9/2010	Sugita et al.	
D630,733	S	1/2011	Ahlgren	
D676,958	S *	2/2013	Doll	D24/128
8,414,531	B2	4/2013	Oginski et al.	
D718,115	S *	11/2014	Garner	D8/330
D726,314	S	4/2015	Marquez	
D726,316	S	4/2015	Marquez	
D791,946	S	7/2017	Schwartz	
D854,148	S	7/2019	Prinz	
D868,855	S *	12/2019	Spillane	D15/138
10,596,011	B2	3/2020	Beck et al.	
D893,028	S	8/2020	Schwartz	
D917,049	S	4/2021	Schwartz	
D925,030	S *	7/2021	Hilton	D24/112
D939,704	S	12/2021	Bales et al.	
D942,020	S *	1/2022	De Klein	D24/186
D950,723	S	5/2022	Leibowitz	
D972,726	S	12/2022	Spencer	
D980,976	S *	3/2023	Virk	D24/112
D987,823	S	5/2023	Rittierott et al.	
D991,767	S	7/2023	Urbanek	
D992,732	S *	7/2023	Ahn	D24/112
2003/0199811	A1	10/2003	Sage, Jr. et al.	
2006/0142708	A1	6/2006	Hazut et al.	
2006/0253079	A1	11/2006	McDonough et al.	
2009/0036922	A1	2/2009	Riskin et al.	
2009/0137945	A1	5/2009	Marquez	
2016/0082241	A1	3/2016	Burton et al.	
2016/0354590	A1	12/2016	Lee	
2019/0125547	A1	5/2019	Birkbeck et al.	
2019/0366067	A1	12/2019	Ginggen et al.	
2020/0338287	A1	10/2020	Chan et al.	
2021/0228378	A1	7/2021	Atkin et al.	
2021/0316441	A1	10/2021	Ting Ya	

OTHER PUBLICATIONS

2 Pack Grease Needle Nozzle with Hardened Steel Tips, Tsinghwang, Amazon.com, [Post date: Dec. 12, 2022], [Site seen Jul. 25, 2023],

Seen at URL: <https://www.amazon.com/Hardened-Dispenser-Fittings-Adapter-Threads/dp/B0BNXL7R4X> (Year: 2022).*

Procell Microchanneling Faqs, procellmicrochannelingtraining.com, [online], [site visited Aug. 2, 2023], Available from Internet URL: <https://www.procellmicrochannelingtraining.com/procell-microchanneling-training-faqs-s/101.htm> (Year: 2023).

Surface Microchanneling Treatment, switch2pure.com, [online], [site visited Aug. 2, 2023], Available from Internet, URL: <https://switch2pure.com/surface-microchanneling-treatment/?sku=22544113> (Year: 2023).

TheraFace Pro Hot and Cold Rings, amazon.com, customer reviews oldest Apr. 19, 2022 [online], [site visited date Aug. 9, 2023], Available from the Internet, URL: <https://www.amazon.com/TheraFace-Attachments-Tension-Inflammation-Therabody/dp/B09TZ2PVK5> (Year:2022).

Facial Cleansing Brush Face Scrubber: COSLUS, amazon.com, first available Jul. 29, 2021 [online], [site visited date Aug. 9, 2023], Available from Ineternet, URL: <https://www.amazon.com/Facial-Cleansing-Brush-Face-Scrubber/dp/B09KNNN535> (Year: 2021).

Screen captures from YouTube video clip entitled “ProCell Microchanneling Training Video”, uploaded on Nov. 29, 2021 by user “Mountain Coast Distributors, Inc.”, Retrieved from Internet <<https://www.youtube.com/watch?v=xYwAW1PU3S0>> (Year: 2021).

Screen captures from YouTube video clip entitled “ProCell Microchanneling in 2 Minutes”, uploaded on Nov. 29, 2021 by user “Mountain Coast Distributors, Inc.”, Retrieved from Internet <<https://www.youtube.com/watch?v=cvK4uMixrbA>> (Year: 2021).

Stem cell snake oil for sale at Nordstrom, Amazon, and & Ebay?, [online], ipscell.com, Feb. 7, 2016 [retrieved on Aug. 2, 2023], Retrieved from the Internet <<https://ipscell.com/2016/02/stem-cell-snake-oil-for-sale-at-nordstrom-amazon-ebay/>> (Year. 2016).

Procell Microchannelling machine illustration, etsy.com, customer reviews oldest date May 20, 2023 [online], [site visited Aug. 2, 2023], Available from Internet, URL: <https://etsy.com/listing/1419464024/procell-microchanneling-machine> (Year:2023).

Procell Therapies launches the Next Generation of Microchanneling Device, [online], procelltherapies.com, Aug. 12, 2022 [retrieved on Aug. 2, 2023], Retrieved from the Internet <<https://www.procelltherapies.com/blog/3/procell-therapies-launches-the-next-generation-of-microchanneling-device-14>> (Year: 2022).

Hypervolt Bluetooth, amazon.com, first available date Jul. 31, 2020 [online], [site visited Aug. 2, 2023], Available from Internet, URL: <https://www.amazon.com/Hypervolt-Bluetooth-Featuring-Quiet-Technology/dp/B08F2PN6CB> (Year: 2023).

Renpho Active Massage Gun, amazon.com, first available date Mar. 9, 2020 [online], [site visited Aug. 2, 2023], Available from the Internet, URL: <https://www.amazon.com/Powerful-Portable-RENPHO-Percussion-Handheld/dp/B085NTR26K> (Year: 2020).

Bob and Brad X6 Pro Massage Gun, amazon.com, first available date Aug. 22, 2021, [online], [site visited Aug. 2, 2023], Available from the Internet, URL: <https://www.amazon.com/BOB-BRAD-X6-Pro-Professional/dp/B0983GZJHZ> (Year: 2021).

Muchmore Racing Racing Blower, muchmoreracing.net, [online], [site visited Aug. 2, 2023], Available from the Internet, URL: <http://www.muchmoreracing.net/product-view.php?pidx=3127> (Year: 2023).

* cited by examiner

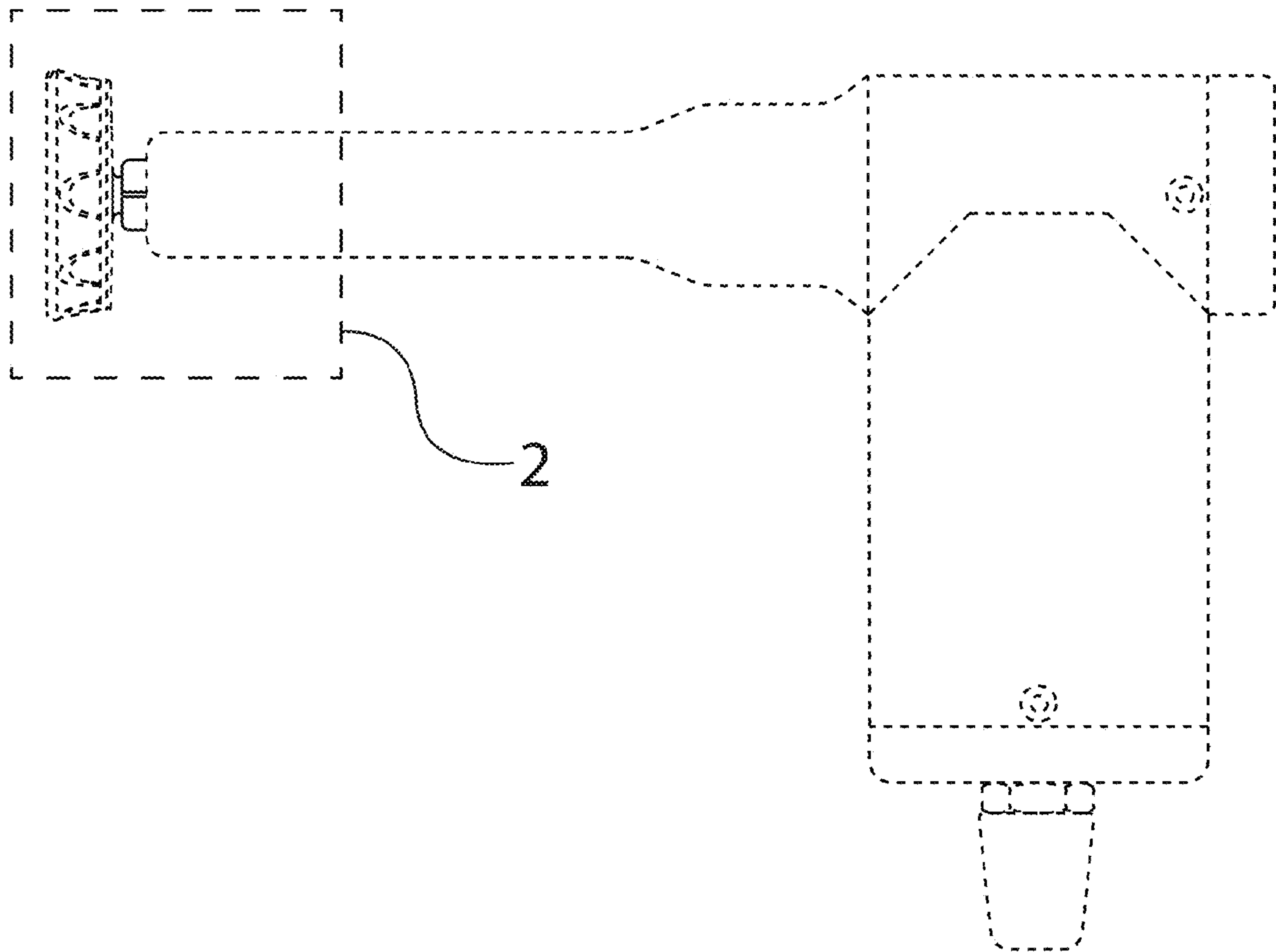


FIG. 1

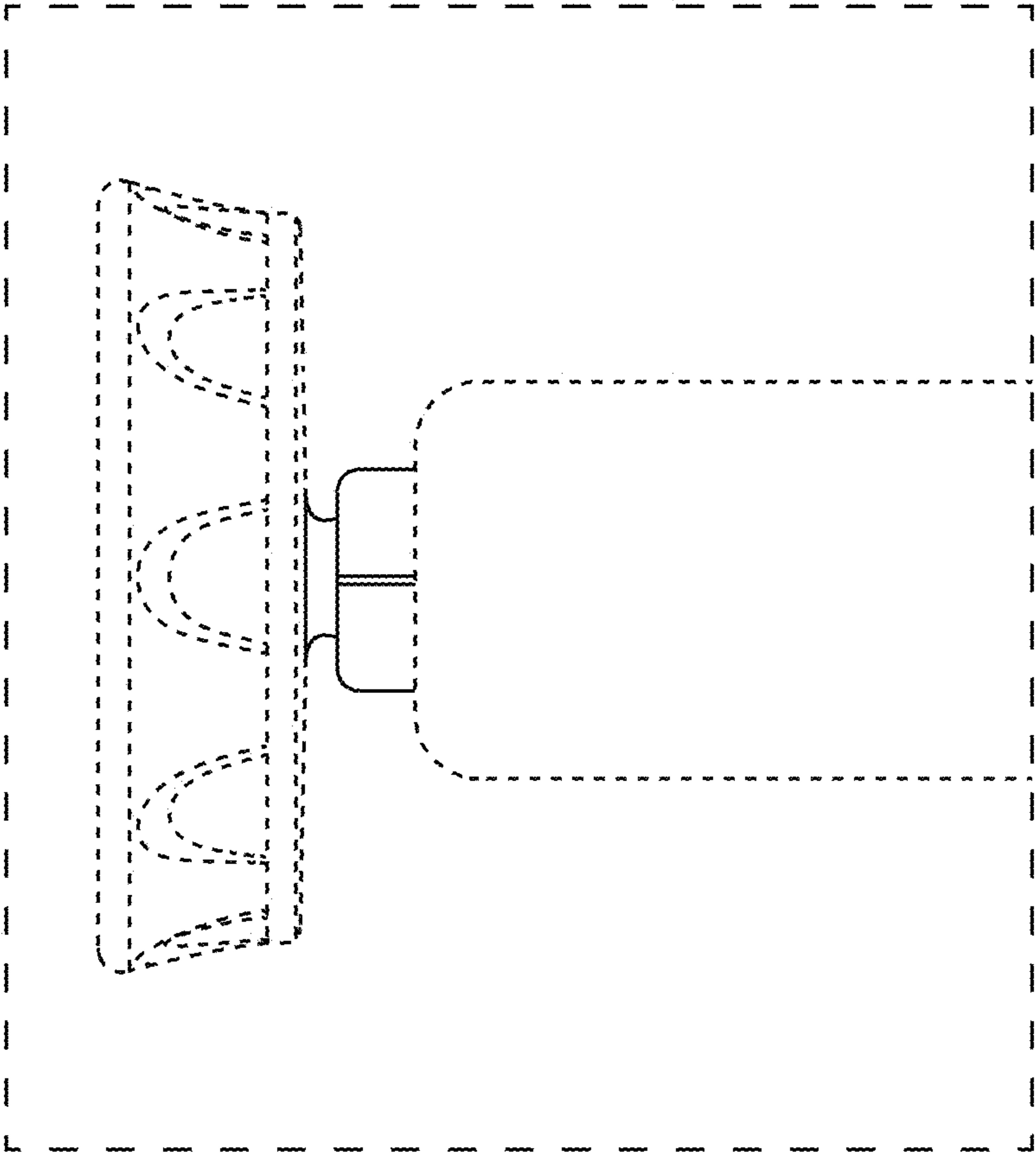


FIG. 2

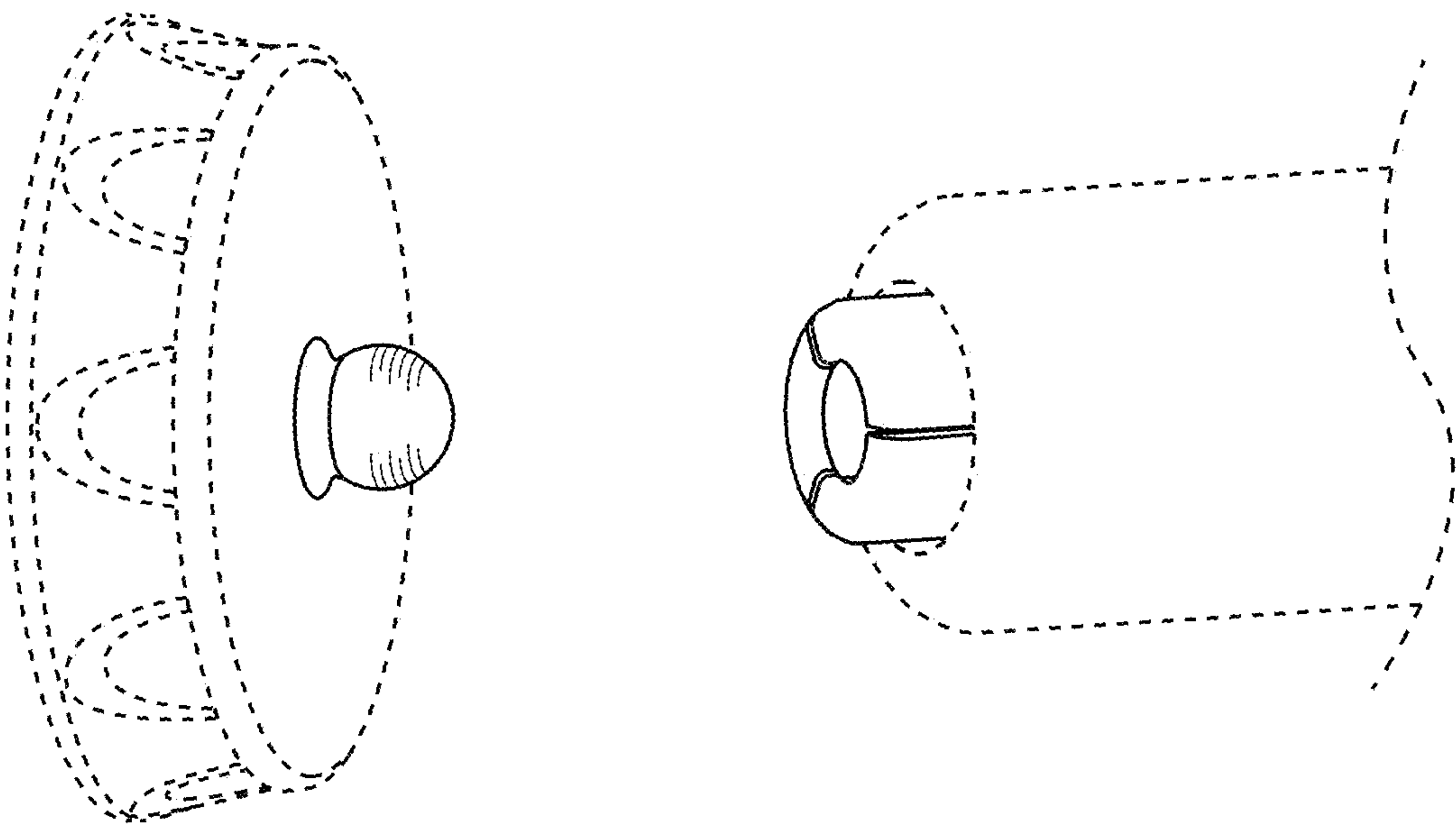


FIG. 3

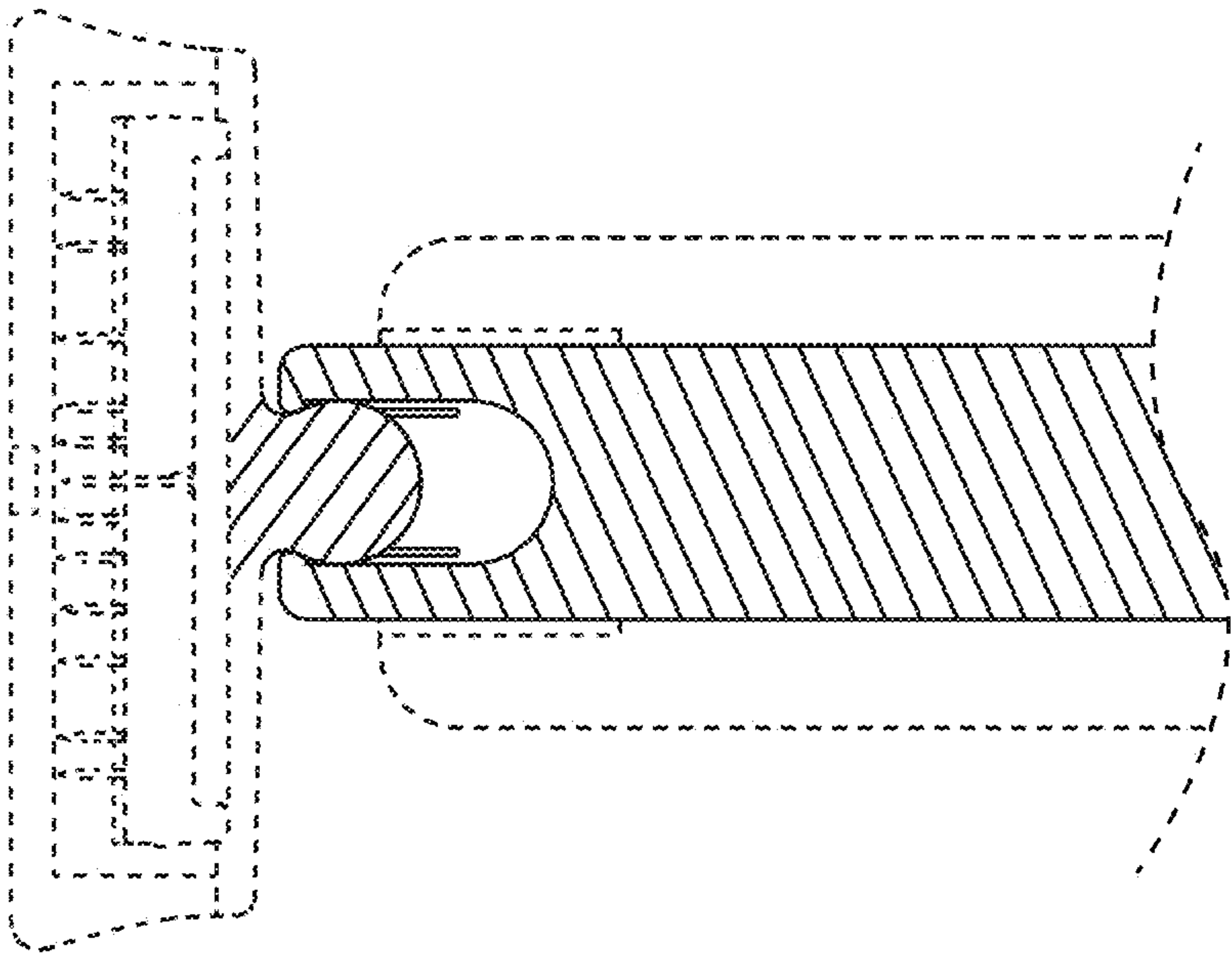


FIG. 4

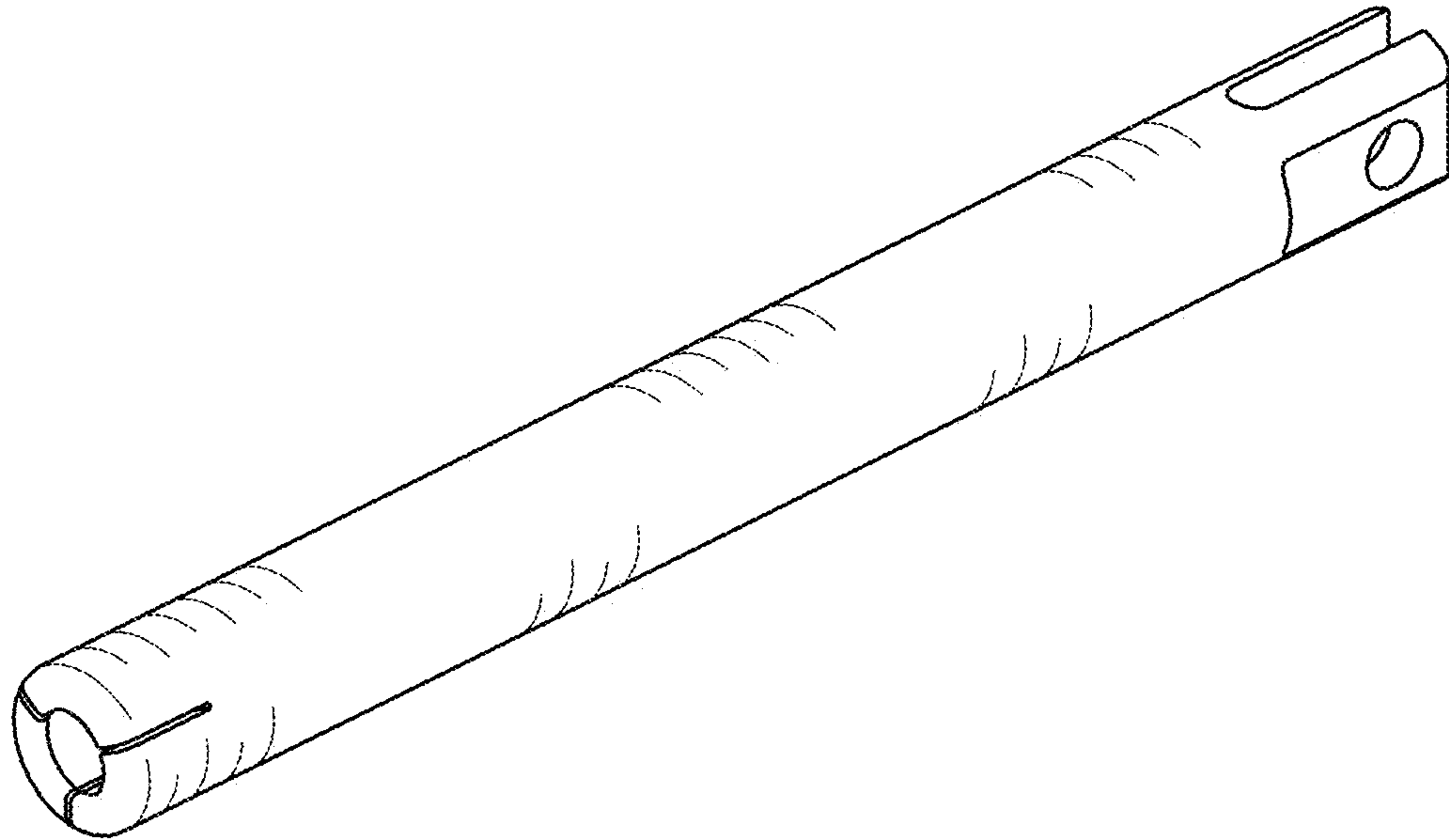


FIG. 5

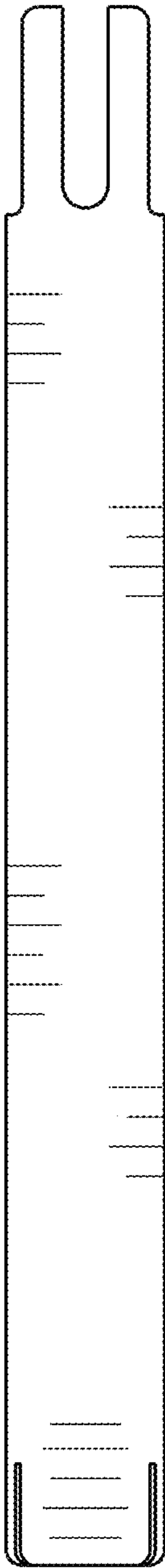


FIG. 6

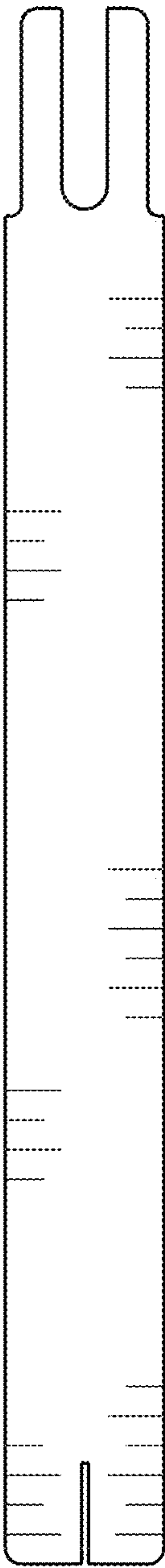


FIG. 7

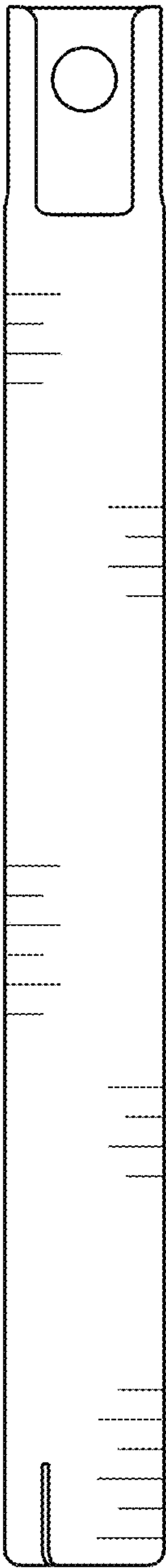


FIG. 8

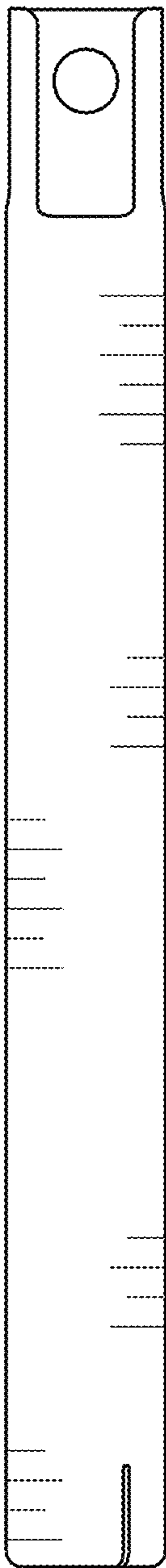


FIG. 9

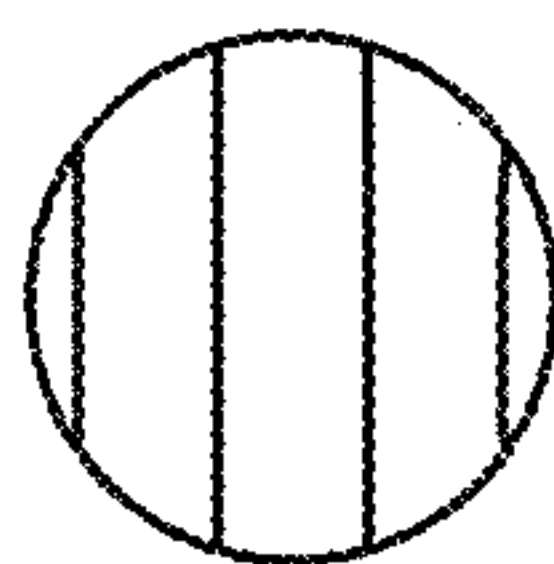


FIG. 10

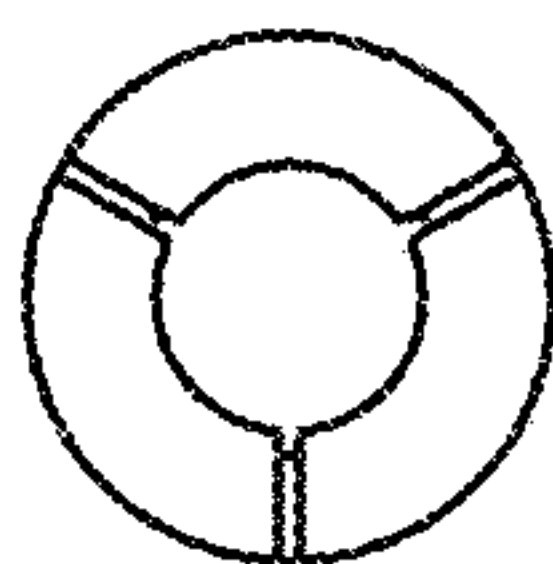


FIG. 11